



North American
Refractories

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900 Hanna Building
1422 Euclid Avenue
Cleveland, Ohio 44115
216/621-5200

NORTH AMERICAN REFRACTORIES
PRODUCT SAFETY DATA SHEET

MANUFACTURER

MSDS # 3044-00

NORTH AMERICAN REFRACTORIES

Vendor:

Emergency Phone Number
East (814) 236-3890
West (415) 432-4741

Date Issued: 10/24/85 Date Revised: 10/14/85
Product Type: Refractory Castable / Gun Material
Trade Name: R-374 CASTABLE

***** SECTION I - PRODUCT IDENTIFICATION *****

Chemical Name: Fireclay Castable
Chemical Family: Al₂O₃, SiO₂, CaO

***** SECTION II - CHEMICAL COMPOSITION *****

Hazardous Ingredients:	CAS Number:	PCT:
Crystalline Silica	N/A	less than 25%
Other Ingredients:	CAS Number:	PCT:
Alumina Silicate	66402-68-4	less than 75%
Hydrous Alumina Silicate	1332-58-7	less than 10%
Hydraulic Setting Cement	12005-57-1	less than 35%

***** SECTION III - PHYSICAL DATA *****

Appearance and Odor: Tan, granular, dry mixture, odorless

***** SECTION IV - FIRE AND EXPLOSION HAZARD *****

Flammability: This product is non-flammable and will not support combustion.

***** SECTION V - HEALTH HAZARD *****

Threshold Limit Value: For respirable dust: 10 divided by (%Qtz. + 2)
expressed as mg/m³
Effects of Overexposure: Cement may cause irritation to skin and eyes.

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Chronic exposure to dust could contribute to
silicosis.

Emergency and First Aid Data:

Eyes: Flush with water and get medical help.

Eyes: Flush with water for 15 minutes and get
medical help.

SECTION VI - REACTIVITY DATA

Stability and Reactivity: This product is stable and non-reactive.

SECTION VII - SPILL AND LEAK PROCEDURES

Steps to be Taken in Case of a Spill:

Avoid generating dust exposure during cleanup.

Waste Disposal Method: Dispose of material according to local, state or
federal regulations and as final used condition of
the product dictates.

SECTION VIII - INDUSTRIAL HYGIENE INFORMATION *****Ventilation: Local exhaust recommended to maintain exposures
below TLV.

Respiratory Protection: Approved dust type for exposures above TLV.

Protective Gloves: Impervious gloves recommended.

Eye Protection: Recommended

SECTION IX - SPECIAL PRECAUTIONS

Special Precautions: Avoid dust generation.

Precautionary Labeling: Product contains crystalline silica and
hydraulic setting cementWARNING: Prolonged inhalation of product
dust may cause delayed lung injury (silicosis)
Contact may cause irritation to eyes and skin.